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SEQUENCE LISTING

<110> Choong-Chin

Atty. Docket No.: 4231/2055E
Date of Deposit: September 1, 2004

<120> Method for the Detection of Type II Diabetes Related Gene Transcripts in Blood

<130> 4231/2055E

<140> 10/812,716

<141> 2004-3-30

<150> US 10/802,875

<151> 2004-03-12

<150> US 10/601,518

<151> 2003-06-20

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<151> 2002-10-09

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<151> 2002-02-28

<150> US 09/477,148

<151> 2000-01-04

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<151> 2001-07-13

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<151> 1999-01-06

<160> 112

<170> PatentIn version 3.2

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<212> DNA

<213> Human

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cccacatttc cattttaat atatactgtc cttaacaat attataatat gtttaaaat 180

atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaaaaataaggattc 240

tttgaatata tatttagttt ttatgtgg tagaaaaatc aaagccagag ggagtagaaa 300

caaaatttgt gatTTCTAA atacttcttg gctgcaggaa agaaaccacg tcccaggcga 360

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caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc      180
aaggggggaa aatttttccg ggggtgggtn ggggaacca atttaagggg ggggcccccg      240
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ctgtacttga actctaaaac tttggagaa actcagtgt taccccaaca gattcatttc 180
aaatagctgt aaaaggatgt tttactccag aagaccagag ttgcttctt tgaacttctc 240
attccttggg ccttagaacc ctcatcaccc tcatcccaac gtcaacccag atcttcttt 300
ccataaacag cactccctca ggccctgcc tgacacaggc atagactgtc atgttggatt 360
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cggcccgccc cccgggnagcc cttcccgccc ttttcccccgg ggggggnccc gggggggacc      120
tttaggcggc accccaacaa caccaggccc tacttttcc aaggncgggg aagcccatgg      180
gttctgggna acgggcaatg cgggcttgca acgggnggaa naaaaacagn cccaaaagaa      240
tg                                         242

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<400> 20
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tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggagggtt      120
gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct      180
c                                         181

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ggaagaattt tatgtggag ttttaatgg ttcatttca ttggctataa ctcagttaca 180
aggagaaaata taactgcaga ggagcttga aaatttagtt cagctgaggg taaaggaaga 240
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ttgaggcgaa	aggactcgcg	gatttgacgc	ttgatgcggt	tgcgctcgac	ggcgagcttgc	180
acgctctttt	tgccgatcac	caaacctagg	cggggatgtat	caagctggtt	atcgcgcgct	240
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ggatttaatta	gacagcaaga	cgcttgcggc	ccctttggcg	cgaacgaacn	ncgaaaagga	420
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gagaacccc	cacaccgaaa	ggctaaggat	tcctccgcta	tgtcaatcaa	cggagggtta	180
gtcgggtact	aaggcgtag	cgaaggcgaa	gcccgcgtgt	gaagggggtt	aatattcctc	240
cacttgccat	gcgtgtgaat	ccatgacgga	gacgaagccg	ggggtgcgtc	ctgacggaag	300
tgggcgccag	cagggcgccg	cttcgggcca	aaccgaacct	caggtcanac	ttccaagaaa	360

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agtgggtgaa acgccagcgc atggcaaccc gtaccgaaa ccgacacagg tagccgggg 420
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aagaaggaac ccaccctnngg ggccaaacaa aaacttaaaa acccccccatt ttcntncccc 180
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ngatnnagac cncnnatcac ctaatacanc catnactcan atgactnttt gtgcgccttt      120
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agctaatttc tgctctgctc cttctgtgac atgtggcagc gtggaaata gccactgtcc 240
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tgnataacta	ttgcctctta	tatacacnac	caannntgcg	aagggnchann	180
cantnnnctg	gggncccacn	nnnngaact	gagagtggat	cttgtgtacc	240

SEQLST~1.TXT

gnttnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga	300
ccngnctatc tcactganga tgattgnagc ngccnnntggg tggcacnang ggnactgatg	360
ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat	420
aggttaccnc cttcnaccgg gcanaatct gcttctatgg tgaatgcaga ccatntagaa	480
ntctntcnct ataggcatga ttttnncag tgcgtcagcc ttganaanga ancnnacttt	540
tgn>tagatga nnngntgctc ncccttgngg ctnacaatt ccancaccnt tggtggcngc	600
agccnttaag ancactntt ttggggttgcg ctnttggatg aattachnaat agnntgtttt	660
gttncaaggc cttctgcna aatatgaana aaagngcnct tagcttttg nggaaactgn	720
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caagtacgcn agcnctgaan ctaaagcaag caagaaaaag 100

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<212> DNA
<213> Human

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tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tggtgtccaa 180
gaagagtctt agttcattta tttggccctt aaccctctaa tcccccttgc atttatgtca 240
agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg 300
gcctaatacg agccaccatt aagaaagcgt tcgctccaca cccactaccc taaaatcgaa 360
tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt 420
ataagtaacc tgaaaacatt ctcccttgca taagccctgc gttggattat atccctgcact 480
gacaattaac tgccccaata tctacaatcc aaccc 515

<210> 55
<211> 176
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<213> Human

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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agcctgccct cattagacca agacagcaag gtttncctg gtcactagat gaaatt 176

<210> 56

<211> 317

<212> DNA

<213> Human

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<223> n is a, c, g, or t

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ggatttgggg ttagaggtt caattgcctt tttatggta gagaaaggtc ctggggctgg 180

agggagcctg acgatctgct ctgttgca gggagagtt aactctgcac gcaagagcct 240

gcttaaaggc ctgtgtcagt tctattgtaa acaccaactt aaagtggtgg atgctggcag 300

acattgttat tgccatt 317

<210> 57

<211> 209

<212> DNA

SEQLST~1.TXT

<213> Human

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aggagaattg	cgtcatttaa	agcctgttga	cgctttctc	ccgc当地	atggaaagat	180
taattggag	tggggctga	aacaattcg				209

<210> 58

<211> 262

<212> DNA

<213> Human

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acctggtcac	cgagttgcga	accaggctcc	aatatgtgga	accctgtact	ctctaaaaat	120
caaattaccg	gcatggagat	tgcgc当地	gtccccaaaat	actcgggctg	ggacacgatg	180
agttgcttgg	cccaaggaag	gagggttgta	tggctgatca	cactggtccg	cctgggtgac	240
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<210> 59

<211> 430

<212> DNA

<213> Human

<400> 59						
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ccc当地	gggtatccgg	tttataaacc	ccaagggtat	tttcttagca	aaatacttaa	180
aaccggccgg	gtttttataa	caaactggga	accacttt	aaaaaattt	ggc当地	240
tctggatgg	aatatgagt	ttttatacat	ttcattttct	ttttggcaa	aggccc当地	300
aagtattccc	ccccgggggg	ccttacaaa	aaggc当地	ttaaaagctt	ttgggcccc	360
ctagggaaatt	tttttaacac	ctaaaaaccc	ctgctccct	taaaggggcg	ttcttaatt	420
tggggcggc						430

<210> 60

<211> 350

<212> DNA

<213> Human

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atcctactag	cttggaggat	ttgaaccat	tatgaatacg	caatactccc	ggtc当地	120
tatcatgtgt	aagcccatct	cctgggaggg	ctaacatact	accatctcca	aggagaggca	180

SEQLST~1.TXT

tgattccgaa tcacccacag acagctcgat caccatacgt atcacccaac atatataacct	240
tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcat	300
taaagtgagg ggactctcct aatttctgta agttgatttt tgcattctga	350

<210> 61
<211> 515
<212> DNA
<213> Human

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cactttcttt gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaag	120
aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt	180
taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg	240
aagtagatcc aaatatacat ggtcagattt aatacaataa agatggcatc gtagcagtgg	300
agaaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa	360
atgaagttga ataataaaaa tatattctac actagcacaa attataaata aagcagtgtat	420
ttaaatgaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata	480
gtcttcataaa atatatgact ttatgaattc tgact	515

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<211> 611
<212> DNA
<213> Human

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aataatccac cagatacaag tttgcataa cttctgtgaa atatTTTT tccttttgt	180
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tcagtgttat caagaagcag actgtttctt actttcttg tatttcctta cttatTTAA	300
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agtctacaga gcaagttcca ggtcagccaa ggctatatat agaaactctg gcatgaaaaa	480
ccaaaccaaac caaaccaaac caaaccagac cagaccagac cagaccagac caaaccaaac	540
caaaccagac taaaccaaac caaaccagac cagaccagac cagaccagac cagaccagac	600
cagaccaaac t	611

<210> 63

SEQLST~1.TXT

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taatgcgaat atacttcctc ttcttttgc atggcttgcc ccagcctctg caatactgat 120
gaacacatgc tgaagatcat ctaactcaat atggcgata tttctatgtc ttgctgccca 180
ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag 240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g 291

<210> 64
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<212> DNA
<213> Human

<400> 64
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cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca 120
tatatttcaa atgtcttgc aacagtggtt actttgctct atcccttagct atacgtctcg 180
aggcacattt ttcctctatg ccccgctacg ctttgcctta gagctcggcg gtatctatat 240
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ctgattaga 309

<210> 65
<211> 278
<212> DNA
<213> Human

<400> 65
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tggaataaaag tggaatagac tcgaatggaa tggaatgcaat tggaatggac tcgaatggaa 120
agggatggaa tggactcgaa gggaaatggaa tggaatggat tcgaatggaa aggaatggaa 180
tggactcaaa aggaatggaa tggaatggac tcaaattggaa tggactcgaa ttgaatgaaa 240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt 278

<210> 66
<211> 142
<212> DNA
<213> Human

<400> 66
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tttttttaac tggtaggagggt ttataataat gctcatatgg aaaaataaaaa catgtaaaaaa 120
atagcttagta aactccccct gt 142

SEQLST~1.TXT

<210> 67
<211> 286
<212> DNA
<213> Human

<400> 67
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ccaatcgtgt tattttgatg acgaatgctt cgaggattgg
aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgt 120
attattttcc caacaaattt gcattcatag atagaataag ctgactaaga ctacttagcc 180
ccacatttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc 240
caaagctcca ttcccttgc 286
aa agcagaagtg taatattact tcttag

<210> 68
<211> 179
<212> DNA
<213> Human

<400> 68
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ataaaatgttt atgaaatata aaatactgaa aattagaaaag
tagaagtcat tattttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaat 179

<210> 69
<211> 390
<212> DNA
<213> Human

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<223> n is a, c, g, or t

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a gagcctcaga ggtttttgt
cttcagtcta agaacgtaaa tccatggaag aattttaaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaaactgtct ctgggtgggt gtgggtgcc 180
ccaagagcat gtgttcatgt
agggagactg gtttttaca gttgtctatg agagagatga cagttgcctg gattatggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgt 300
ta ttagggagaga aaaatcaata
ggaaatttaa aataaataat taactgtggc cataggagga aggagtctt gggtnngtt 360
ctcaatttct gcatgagaaa aaaggtggac 390

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<213> Human

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gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
tgaaatgata gatgagataa aatgatgata tgaaatgt agatgaatga tgagatgt 180
agatgaatga tgaaatgaaa tgatgagatg agatgtgaa atgaaatggt gagatgaaat 240
gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
gatgagatga tgaaattgt gaaatgtga gatgtgtga gatgaaatgt tgagatgaga 360
tgagatgaca tgaaataatg aatgaaatt gaaatgagat aagatacgag ctgagatgca 420
atgagatgaa atgatgagat gaaatgaaat agtgaaatgt aattgaaata aaatcgaaat 480
g 481

<210> 71
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<212> DNA
<213> Human

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<221> (100)..(100)
<223> n is a, c, g, or t

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<221> (110)..(110)
<223> n is a, c, g, or t

<400> 71
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ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc 120
cacag 125

<210> 72
<211> 473
<212> DNA
<213> Human

<220> misc_feature
<221> (151)..(151)
<223> n is a, c, g, or t

<400> 72
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atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tcatgatgtc 120
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aatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga	180
cctgagatga aatgagatga aaaatgatac gaaaaatgtat ataaaaaata tgacatgaaa	240
tgaaatgaga tcatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa	300
ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga	360
catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga	420
tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga	473

<210> 73
<211> 500
<212> DNA
<213> Human

<220>
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<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (16)..(16)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (233)..(233)
<223> n is a, c, g, or t

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aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaattgaa atgaaataat	120
gaaatgagat gaaataaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa	180
tcatatgatg agaagaaatg atgagatgaa atgatgaaat gatgagatga gaaaaatga	240
gatgaaatga tgagatgaga tgaaatatgaa tgatgaaa tgacataatg aatgaaatga	300
tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga	360
aatgatgaaa tcatatgatg aatgatgaa atgaaataat gaaatgagat gaaataaaat	420
aatgaaatga tgaaataatg aatgaaaat gaaatggaaa tcatatgatg agaagaaatg	480
atgagatgaa atgatgaaaat	500

<210> 74
<211> 299
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<213> Human

<220>
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SEQLST~1.TXT

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<223> n is a, c, g, or t

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<222> (57)..(57)
<223> n is a, c, g, or t

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tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120
cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180
tcatatgatg gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240
aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75
<211> 155
<212> DNA
<213> Human

<400> 75
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taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120
tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76
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cgccatgaaa tttctgctcg attagcttac gttgttgga tagaggccaa acaaggctgt      180
tatcggtacg aggaatggat gttcgatttc gtagaatacg cctgagagac ggcgaatact      240
ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga      300
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gtcattg                                         367

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tcagtgttg gggtttattt ttaaaaagaat agggtgccac cagatgttct ttagtggagg      180
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nnttaantaaa aagggtgaag aannttactt cncttggtcc taaaaaacnt tttcncntcagt    120
tattaccaaa atatttggac cattantaaa gantagggcc aaccnnaatt tttcttgaaa     180
tttccgttaa atagccgtta aatgtttta cccatttcat attggataacc ttaaattata     240
ataatggatt ttattgttaa attgtgtgtg tgtggtgtgt atgccctgtc ttttctcctc    300
taccattatt gtcactttat gtttggAACCC ccctttaccc ttccttaaag gaaaaaaaaagg   360
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ggaaaanaaa tccttttaa anggaantcc aagggaaagga ncctgnncaa nacttcccn	180	
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gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg	180	

SEQLST~1.TXT

aaatgagaag	aatgagatg	aatgatgaa	atgatgagat	gagatgaaaa	atgatggat	240
gagaatgag	atgaaatgat	gggatgaaat	gaaatgaaat	aatgaaataa	tgaaatgaaa	300
tgaattgata	atattgaagt	gaaattgaaa	gatgagattg	gatgaaatga	tgagatgaaa	360
tgaaatgtt	aaatgaaatg	aagagatgta	acatgaaatg	agctgaaatg	atgagatgaa	420
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ntagggacct	gctctataag	cccatcataa	tttatttatga	agttataaca	agtaaaacag	180
taaggtattt	ggcatggaat	agagaaccca	gaaacagacc	caatgcatgg	gtacaggata	240
taacacaggg	aaatgaggga	caatatatgg	ttctggata	attatttata	tggggaaaat	300

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aaagaaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg	360
catgtgaaag gaaagacttt aaaacattta gaaaaagtat tggaggctat gatcttgggg	420
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aacttcctca gaaggacaag agacaaagaa gtgggggagg ccctcctatc catagctgag	180
agggtttattt ctttgtggtt ctgttgtcag agcctttgga tgtctgtatct gagatggagc	240
aaccccagct agacagaact ttgttagattt tggggggttt aaaaggcctc aagcaaattc	300
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gaaaagaaaa	tggtttttt	tgccgaaatc	aaccgggtaa	100
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atgtAACAGT	gtggggtttc	a				201	

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tcttttaccc	cggcactcgg	gtccaccctc	gcggcaccag	aggtattctc	cggcgagtgc	180	
ttaaccatcg	caatcgccga	ccgagttaa	ggaccactcc	ccaccttct	cattagttaa	240	
ggagaacgct	actttacccc	atagacggag	aaatcgctac	tcaactacca	ggcgcgcc	300	
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gcggaggagt	cgatccgtct	actcctatcc	cgtcggctcg	gatttactac	aggagctaag	480	
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acagccaaac	cggtccgccc	aaggcctccg	tcgtttata	atatattccg	tttacgtata	180	
aggaacgaac	cccccttcat	taccacggc	ccgcgtccgc	ctccttctcc	attcgcaaca	240	
gttctattcc	tttcagcctc	ccgtacctgc	ttccagaaca	tcgcaccgcc	atagtcgaaa	300	
gatagcaaag	attacccagc	ttcttattcc	cgccccagag	ccgagtaat	cgaagtttat	360	
agaggcggaa	tccaaccatt	caagagttat	aacaagttat	ccgcactcgg	gggatcagaa	420	

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tataaaactta atgtccctt tattctcccg gacgcccctt ttaaccactt cttcctatct 480
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aattaaggna	aggnttaaaa	aatttaacca	anggggggtt	taaagggnntt	tttttttta	180
aaaaaaaaagg	ttaaancccc	ccctttttt	ttggggttggg	gtggaaaaat	tttgggaanc	240
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tcgttatgct	ttccaatcct	gcttgcata	taagacacaa	agtcagaata	aagctcaaga	180
aaacagaacg	tgcaggccat	caagcgcaga	gcctgctcat	tggacaaccg	caaagagtag	240
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SEQLST~1.TXT

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canngtctnt	gacgntgtga	tgcatacgnt	tgggcagagn	gancaatang	tgngcatatg	300
cgtgccttac	ncaaggatac	ggangngctt	gaaattgatg	ngaccaanan	tttnngtacg	360
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atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa		180
tgatgagatg agatgacatg aaataaatga aataatgaaa tcgaaatgag atgagaagat		240
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gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg		480
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SEQLST~1.TXT

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gaaatgaaat gatgaaatga atagatgtat catgaaatga gctgaaatga tgagatcaaa 180
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gaaatgaaat gatgagatga aatgaggtga aatgaaatgtt gatgaaacgt aatgagatga 180
aatgaccta aatgaaatgaa aatgaaatg aaataatgaa atgaggtgaa attaaatgag 240
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SEQLST~1.TXT

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SEQLST~1.TXT

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22